

ABSTRACT

A pressure pickup (1), having a pressure chamber (7), which is located between a separating membrane (3) and a platform (2), and a pressure canal (4) for hydraulic transmission of pressure to a measuring cell, includes, for dynamic overload protection, a Venturi throttle implemented by providing that the pressure canal has at least one segment whose flow cross section is variable. Such segment is preferably provided in the form of an annular canal. The flow cross section can be changed, for example, by an axial shifting of a conical inner wall (6) relative to a complementary, conical outer wall (5), or by the deforming of an elastic inner or outer wall of the annular canal.

Translation of German words in the drawings

Fig. 3:

Vertical axis:

Change "z.B. 100 bar Ueberlast" to --e.g. 100 bar overload--; and change the subscript on the "P" to a --1--.

Horizontal axis:

Change "Sekunden" to --seconds--.

Note: The letter designations on the curves are capitals, P or S, and the subscripts are either 1 or 2.